



CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture and Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751
(407) 648-6013 · (407) 648-6029 FAX · www.nass.usda.gov/fl

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Results of the first orange and grapefruit maturity tests for the 2014-2015 season, using only regular bloom fruit, are listed below. Over three-fourths of the grapefruit sample groves are located in the Indian River District while nearly 90 percent of the orange sample groves are in the other four production areas. Sample groves and trees remain relatively constant from season to season. Fruit was picked from trees throughout the five production areas of the citrus growing region on September 2-3, 2014. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 4-5, 2014. The next monthly maturity and yield test results will be published in the October 10, 2014 forecast release, and will include late oranges.

Compared to the 2013-2014 citrus harvesting season, the percent of solids (Brix) and acid levels are lower, while ratios, unfinished juice per box, and solids per box are higher for all fruit types. Acid levels are nearly identical to 2011-2012 values for all fruit types.

Results on this page are averages for the state. The table on page two reports averages for the Indian River District separately from the other areas. The percent of acid in the Indian River District is higher for all fruit types while Brix is higher for early oranges and both grapefruit types. Ratios, unfinished juice per box, and solids per box are higher in other areas of the state when compared to the Indian River production area for all fruit types but the colored seedless grapefruit.

Citrus Unadjusted Maturity Tests by Type – Florida: September 1, For Crop Years 2010-2011 through 2014-2015

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a 0.040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Fruit Type and Crop Year	Groves sampled (number)	Acid (percent)	Solids (Brix) (percent)	Ratio	Unfinished juice per box (pounds)	Solids per box (pounds)
Early Oranges						
2010-2011	120	1.67	9.19	5.55	41.62	3.82
2011-2012	120	1.38	9.58	7.02	44.96	4.31
2012-2013	120	1.24	9.38	7.70	46.39	4.35
2013-2014	120	1.47	9.24	6.42	42.34	3.91
2014-2015	120	1.38	9.12	6.69	43.72	3.98
Midseason Oranges						
2010-2011	55	1.99	9.34	4.91	40.86	3.81
2011-2012	55	1.54	9.38	6.21	45.85	4.30
2012-2013	55	1.41	9.35	6.77	45.84	4.28
2013-2014	55	1.69	9.26	5.59	43.30	4.01
2014-2015	55	1.53	9.10	6.05	44.18	4.02
White Seedless Grapefruit						
2010-2011	50	1.88	10.19	5.45	31.82	3.24
2011-2012	50	1.64	10.17	6.27	33.91	3.45
2012-2013	50	1.52	9.91	6.52	35.04	3.47
2013-2014	50	1.78	10.08	5.70	31.55	3.17
2014-2015	50	1.64	9.97	6.11	34.69	3.46
Colored Seedless Grapefruit						
2010-2011	50	1.82	10.33	5.80	31.99	3.30
2011-2012	50	1.62	10.17	6.29	35.68	3.63
2012-2013	50	1.52	10.15	6.70	35.51	3.61
2013-2014	50	1.70	9.99	5.91	33.05	3.30
2014-2015	50	1.63	9.92	6.10	34.79	3.45

Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2014

Fruit type and Area	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	(number)	(percent)	(percent)		(pounds)	(pounds)
ORANGES:						
Early						
Indian River.....	9	1.44	9.24	6.47	42.73	3.95
Other Areas.....	111	1.38	9.11	6.71	43.80	3.98
Midseason						
Indian River.....	11	1.61	9.06	5.68	43.77	3.97
Other Areas.....	44	1.52	9.10	6.14	44.28	4.03
GRAPEFRUIT:						
White Seedless						
Indian River.....	38	1.67	10.06	6.04	34.22	3.44
Other Areas.....	12	1.54	9.67	6.34	36.19	3.50
Colored Seedless						
Indian River.....	40	1.65	9.92	6.03	35.00	3.47
Other Areas.....	10	1.56	9.90	6.37	33.98	3.36

